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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,474	05/05/2006	Hidetoshi Kitanaka	1025260-000107	8996
	7590 09/26/200 DAGEDSOLL & DOO	EXAMINER		
BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404			COLON SANTANA, EDUARDO	
ALEXANDRIA, VA 22313-1404			ART UNIT	PAPER NUMBER
			2837	
			NOTIFICATION DATE	DELIVERY MODE
			09/26/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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ADIPFDD@bipc.com debra.hawkins@bipc.com

	Application No.	Applicant(s)			
	10/578,474	KITANAKA, HIDETOSHI			
Office Action Summary	Examiner	Art Unit			
·	Eduardo Colon Santana	2837			
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with	the correspondence address			
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA R 1.136(a). In no event, however, may a reply riod will apply and will expire SIX (6) MONTH: atute, cause the application to become ABAN	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on _					
2a) This action is FINAL . 2b) ⊠ T	This action is FINAL . 2b) This action is non-final.				
3) Since this application is in condition for allo	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.D. 1	1, 453 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>1-3</u> is/are pending in the application	on.	•			
4a) Of the above claim(s) is/are without	drawn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1 and 3</u> is/are rejected.		,			
7) Claim(s) 2 is/are objected to.		·			
8) Claim(s) are subject to restriction an	d/or election requirement.				
Application Papers		•			
9) The specification is objected to by the Exam	niner.				
10)☐ The drawing(s) filed on is/are: a)☐ a					
Applicant may not request that any objection to					
Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the					
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for fore a) ☐ All b) ☐ Some * c) ☒ None of:	eign priority under 35 U.S.C. § 1	19(a)-(d) or (f).			
 Certified copies of the priority docum 					
2. Certified copies of the priority docum					
3. Copies of the certified copies of the p		eceived in this National Stage			
application from the International But * See the attached detailed Office action for a		caived			
See the attached detailed Office action for a	list of the certified copies not re	ceived.			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Sur				
 2)	5) Notice of Info	Mail Date rmal Patent Application			
Paper No(s)/Mail Date	6) 🛭 Other: <u>Detaile</u>	ed Action.			

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DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Japan on September 22, 2004. It is noted, however, that applicant has not filed a certified copy of the JP 2004-274979 application as required by 35 U.S.C. 119(b).

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 5/5/2006 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Ishida et al. JP Patent No. 2003289700 A.

Referring to claims 1 and 3, Ishida et al. discloses a control unit for an induction motor (see figures 1, 2 and respective portions of the specification). Ishida et al. further depicts from figure 2 a control vector section (14), shown in more detailed in figure 1. Furthermore, figure 1, clearly shows a mutual inductance correction section (111) that obtains a correction value of a mutual inductance (M*) based on an error between a torque calculation value calculated

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by using a measure value of a primary current (id, iq) and a torque command value (T*) generated by a torque command generation section (not shown). Moreover, Ishida et al. discloses that the vector control section controls an induction motor (9) by using circuit constant (i.e. R1, L1, R2, L2) including the correction value of the mutual inductance (M*) in such a manner that the torque generated (motor feedback) coincides with the torque command value (T*). In addition Ishida et al. discloses a secondary resistance set value (R2*), which is corrected through vector control (see abstract).

Allowable Subject Matter

4. Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art does not disclose alone or in combination a vector control apparatus wherein the mutual inductance correction section generates a correction value of the mutual inductance by correcting an initial set value of the mutual inductance, based on a corrected value calculated by using voltage command values, an output angular frequency of an inverter, a primary resistance set value, measured value of the primary current and torque command current.

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Conclusion

5. The prior art made of record in form 892 and not specifically relied upon is considered pertinent to applicant's disclosure to further show the state of the art. See in particular Ishida U.S. Patent No. 6,611,124.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eduardo Colon Santana whose telephone number is (571) 272-2060. The examiner can normally be reached on Monday thru Thursday 6:30am - 3:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln Donovan can be reached on (571) 272-2800 X.37. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information, see http://pair-direct.uspto.gov. Should you have questions contact the Electronic Business Center at 866-217-9197. If you would like assistance, call 800-786-9199 or 571-272-1000.

Eduardo Colon Santana Patent Examiner

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/ECS/